

PATENT APPLICATION

Sheet 1 of 5

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200206465-1		
	APPLICANT		
	Ashton, et al		
	FILING DATE	GROUP	
	Sept. 26, 2003		

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
TT	1A	5,557,596	09/17/96	Gibson et al	
TT	1B	6,256,224	07/03/01	Perner, et al.	
TT	1C	6,262,421	07/17/01	Tran	
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

TT	1Q	Kampmann, et al. A Cadmium-free CuInSe ₂ Superstrate Solar Cell Fabricated by Electrodeposition Using a ITO/In ₂ Se ₃ /CuInSe ₂ /Au Structure; Progress in Photovoltaics; (1999) pgs. 129-135.
TT	1R	Rechid, et al. Characterising Superstrate CIS solar cells with electron beam induced current; Thin Solid Films; (2000) pgs. 361-362.
TT	1S	Ward, et al. Cu(In,Ga)Se ₂ Thin-Film Concentrator Solar Cells; NCPV Program Review Meeting; 10/01.

EXAMINER

[Signature]

DATE CONSIDERED

05/05

PATENT APPLICATION

Sheet 2 of 5

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200506465-1		
	APPLICANT		
	Ashton, et al		
	FILING DATE	GROUP	
	Sept. 26, 2003		

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A				
	2B				
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>TT</i>	2Q	Scofield, et al. Sputtered molybdenum bilayer back contact for copper indium diselenide-based polycrystalline thin-film solar cells; Thin Solid Films (1995) pgs. 26-31
<i>TT</i>	2R	Gabor, et al. High-efficiency CuIn _x Ga _{1-x} Se ₂ solar cells made from (In _x Ga _{1-x}) ₂ Se ₃ precursor films; American Institute of Physics, (1994) pgs. 198-200
<i>TT</i>	2S	Nakayama, et al. AES, LEELS and XPS studies on the interface formation between layered semiconductors GaSe and InSe; Surface Science (1991)

EXAMINER



DATE CONSIDERED

05/05

PATENT APPLICATION

Sheet 3 of 5

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200206465-1		
	APPLICANT		
	Ashton, et al		
	FILING DATE	GROUP	
	Sept. 26, 2003		

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A				
	3B				
	3C				
	3D				
	3E				
	3F				
	3G				
	3H				
	3I				
	3J				
	3K				

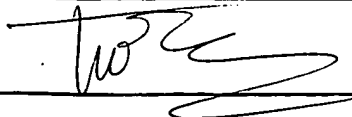
FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L					
	3M					
	3N					
	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

TT	3Q	Nishida, et al. Single-beam overwrite experiment using In-Se based phase-change optical media; American Institute of Physics (1987) pgs. 667-669
TT	3R	Sanchez-Royo, et al. Optical and photovoltaic properties of indium selenide thin films prepared by van der Waals epitaxy; Journal of Applied Physics (2001) pgs. 2818-2823
TT	3S	Otsmane, et al. Epitaxy of layered semiconductor thin films; Applied Surface Science (1993) pgs. 479-481

EXAMINER



DATE CONSIDERED

05/05

PATENT APPLICATION

Sheet 4 of 5

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200206465-1		
	APPLICANT		
	Ashton, et al		
	FILING DATE	GROUP	
	Sept. 26, 2003		

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	4A				
	4B				
	4C				
	4D				
	4E				
	4F				
	4G				
	4H				
	4I				
	4J				
	4K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	4L					
	4M					
	4N					
	4O					
	4P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

TT	4Q	Emery, et al. Reflection high-energy electron diffraction studies of InSe and GaSe layered compounds grown by molecular beam epitaxy; Journal of Applied Physics (1992) pgs. 3256-3259
TT	4R	Tatsuyama, et al. Heteroepitaxy between layered semiconductors GaSe and InSe; Applied Surface Science (1989) pgs. 539-543
TT	4S	Gashimzade, et al. Energy spectrum and effective mass of carriers in the InSe/GaSe superlattice; Z. Physics (1996) pgs. 219-222

EXAMINER

[Signature]

DATE CONSIDERED

05/05

PATENT APPLICATION

Sheet 5 of 5

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200206465-1	APPLICATION NO.	CONFIRMATION NO.
APPLICANT Ashton, et al			
FILING DATE Sept. 26, 2003		GROUP	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	5A			
	5B			
	5C			
	5D			
	5E			
	5F			
	5G			
	5H			
	5I			
	5J			
	5K			

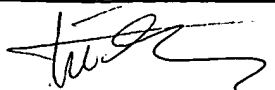
FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
5L				
5M				
5N				
5O				
5P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<div style="position: relative; height: 40px;"> TT </div>	5Q	Shigetomi, et al. Electrical and photovoltaic properties of Cu-doped p-GaSe/n-InSe heterojunction; Journal of Applied Physics; (2000); pgs. 1520-1524
	5R	
	5S	

EXAMINER



DATE CONSIDERED

05/05